

CRF Errors Corrected by the STIC Systems Branch

Ref 110 111
8/17/2012

CRF Processing Date: 8/17/2012
Edited by: [signature]
Verified by: [signature] (STIC staff)

Serial Number: 10/C30,306

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☒ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 25
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT10

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:14

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08072002\J030306.raw

3 <110> APPLICANT: Sagami Chemical Research Center,
 4 Protegene Inc.
 6 <120> TITLE OF INVENTION: Human proteins having hydrophobic domains and DNAs encoding
 these proteins
 7 proteins
 9 <130> FILE REFERENCE: 661926
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/030,306
 C--> 11 <141> CURRENT FILING DATE: 2002-06-27
 11 <150> PRIOR APPLICATION NUMBER: JP 11-194359
 12 <151> PRIOR FILING DATE: 1999-07-08
 14 <160> NUMBER OF SEQ ID NOS: 30
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 339
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
 22 Met Ser Pro Ser Pro Thr Ala Leu Phe Cys Leu Gly Leu Cys Leu Gly
 23 1 5 10 15
 24 Arg Val Pro Ala Gln Ser Gly Pro Leu Pro Lys Pro Ser Leu Gln Ala
 25 20 25 30
 26 Leu Pro Ser Ser Leu Val Pro Leu Glu Lys Pro Val Thr Leu Arg Cys
 27 35 40 45
 28 Gln Gly Pro Pro Gly Val Asp Leu Tyr Arg Leu Glu Lys Leu Ser Ser
 29 50 55 60
 30 Ser Arg Tyr Gln Asp Gln Ala Val Leu Phe Ile Pro Ala Met Lys Arg
 31 65 70 75 80
 32 Ser Leu Ala Gly Arg Tyr Arg Cys Ser Tyr Gln Asn Gly Ser Leu Trp
 33 85 90 95
 34 Ser Leu Pro Ser Asp Gln Leu Glu Leu Val Ala Thr Gly Val Phe Ala
 35 100 105 110
 36 Lys Pro Ser Leu Ser Ala Gln Pro Gly Pro Ala Val Ser Ser Gly Gly
 37 115 120 125
 38 Asp Val Thr Leu Gln Cys Gln Thr Arg Tyr Gly Phe Asp Gln Phe Ala
 39 130 135 140
 40 Leu Tyr Lys Glu Gly Asp Pro Ala Pro Tyr Lys Asn Pro Glu Arg Trp
 41 145 150 155 160
 42 Tyr Arg Ala Ser Phe Pro Ile Ile Thr Val Thr Ala Ala His Ser Gly
 43 165 170 175
 44 Thr Tyr Arg Cys Tyr Ser Phe Ser Ser Arg Asp Pro Tyr Leu Trp Ser
 45 180 185 190
 46 Ala Pro Ser Asp Pro Leu Glu Leu Val Val Thr Gly Thr Ser Val Thr
 47 195 200 205
 48 Pro Ser Arg Leu Pro Thr Glu Pro Pro Ser Ser Val Ala Glu Phe Ser
 49 210 215 220

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08072002\J030306.raw

```

50 Glu Ala Thr Ala Glu Leu Thr Val Ser Phe Thr Asn Glu Val Phe Thr
51 225 230 235 240
52 Thr Glu Thr Ser Arg Ser Ile Thr Ala Ser Pro Lys Glu Ser Asp Ser
53 245 250 255
54 Pro Ala Gly Pro Ala Arg Gln Tyr Tyr Thr Lys Gly Asn Leu Val Arg
55 260 265 270
56 Ile Cys Leu Gly Ala Val Ile Leu Ile Ile Leu Ala Gly Phe Leu Ala
57 275 280 285
58 Glu Asp Trp His Ser Arg Arg Lys Arg Leu Arg His Arg Gly Arg Ala
59 290 295 300
60 Val Gln Arg Pro Leu Pro Pro Leu Pro Pro Leu Thr Arg Lys
61 305 310 315 320
62 Ser His Gly Gly Gln Asp Gly Gly Arg Gln Asp Val His Ser Arg Gly
63 325 330 335
64 Leu Cys Ser
67 <210> SEQ ID NO: 2
68 <211> LENGTH: 487
69 <212> TYPE: PRT
70 <213> ORGANISM: Homo sapiens
72 <400> SEQUENCE: 2
73 Met Ala Ser Ser Ala Glu Gly Asp Glu Gly Thr Val Val Ala Leu Ala
74 1 5 10 15
75 Gly Val Leu Gln Ser Gly Phe Gln Glu Leu Ser Leu Asn Lys Leu Ala
76 20 25 30
77 Thr Ser Leu Gly Ala Ser Glu Gln Ala Leu Arg Leu Ile Ile Ser Ile
78 35 40 45
79 Phe Leu Gly Tyr Pro Phe Ala Leu Phe Tyr Arg His Tyr Leu Phe Tyr
80 50 55 60
81 Lys Glu Thr Tyr Leu Ile His Leu Phe His Thr Phe Thr Gly Leu Ser
82 65 70 75 80
83 Ile Ala Tyr Phe Asn Phe Gly Asn Gln Leu Tyr His Ser Leu Leu Cys
84 85 90 95
85 Ile Val Leu Gln Phe Leu Ile Leu Arg Leu Met Gly Arg Thr Ile Thr
86 100 105 110
87 Ala Val Leu Thr Thr Phe Cys Phe Gln Met Ala Tyr Leu Leu Ala Gly
88 115 120 125
89 Tyr Tyr Tyr Thr Ala Thr Gly Asn Tyr Asp Ile Lys Trp Thr Met Pro
90 130 135 140
91 His Cys Val Leu Thr Leu Lys Leu Ile Gly Leu Ala Val Asp Tyr Phe
92 145 150 155 160
93 Asp Gly Gly Lys Asp Gln Asn Ser Leu Ser Ser Glu Gln Gln Lys Tyr
94 165 170 175
95 Ala Ile Arg Gly Val Pro Ser Leu Leu Glu Val Ala Gly Phe Ser Tyr
96 180 185 190
97 Phe Tyr Gly Ala Phe Leu Val Gly Pro Gln Phe Ser Met Asn His Tyr
98 195 200 205
99 Met Lys Leu Val Gln Gly Glu Leu Ile Asp Ile Pro Gly Lys Ile Pro
100 210 215 220
101 Asn Ser Ile Ile Pro Ala Leu Lys Arg Leu Ser Leu Gly Leu Phe Tyr

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
 Output Set : N:\CRF4\08072002\J030306.raw

```

102 225                230                235                240
103 Leu Val Gly Tyr Thr Leu Leu Ser Pro His Ile Thr Glu Asp Tyr Leu
104                245                250                255
105 Leu Thr Glu Asp Tyr Asp Asn His Pro Phe Trp Phe Arg Cys Met Tyr
106                260                265                270
107 Met Leu Ile Trp Gly Lys Phe Val Leu Tyr Lys Tyr Val Thr Cys Trp
108                275                280                285
109 Leu Val Thr Glu Gly Val Cys Ile Leu Thr Gly Leu Gly Phe Asn Gly
110                290                295                300
111 Phe Glu Glu Lys Gly Lys Ala Lys Trp Asp Ala Cys Ala Asn Met Lys
112 305                310                315                320
113 Val Trp Leu Phe Glu Thr Asn Pro Arg Phe Thr Gly Thr Ile Ala Ser
114                325                330                335
115 Phe Asn Ile Asn Thr Asn Ala Trp Val Ala Arg Tyr Ile Phe Lys Arg
116                340                345                350
117 Leu Lys Phe Leu Gly Asn Lys Glu Leu Ser Gln Gly Leu Ser Leu Leu
118                355                360                365
119 Phe Leu Ala Leu Trp His Gly Leu His Ser Gly Tyr Leu Val Cys Phe
120                370                375                380
121 Gln Met Glu Phe Leu Ile Val Ile Val Glu Arg Gln Ala Ala Arg Leu
122 385                390                395                400
123 Ile Gln Glu Ser Pro Thr Leu Ser Lys Leu Ala Ala Ile Thr Val Leu
124                405                410                415
125 Gln Pro Phe Tyr Tyr Leu Val Gln Gln Thr Ile His Trp Leu Phe Met
126                420                425                430
127 Gly Tyr Ser Met Thr Ala Phe Cys Leu Phe Thr Trp Asp Lys Trp Leu
128                435                440                445
129 Lys Val Tyr Lys Ser Ile Tyr Phe Leu Gly His Ile Phe Phe Leu Ser
130                450                455                460
131 Leu Leu Phe Ile Leu Pro Tyr Ile His Lys Ala Met Val Pro Arg Lys
132 465                470                475                480
133 Glu Lys Leu Lys Lys Met Glu
134                485
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 262
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 3
140 Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu
141 1                5                10                15
142 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
143                20                25                30
144 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Ala
145                35                40                45
146 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
147                50                55                60
148 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
149                65                70                75                80
150 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

```

      85          90          95
153      154 Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
155      156 Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
157      158 Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
159      160 Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
161      162 Val Val Thr His Pro Gly Gly Cys Arg Gly His Glu Val Glu Asp Val
163      164 Asp Leu Glu Leu Phe Asn Thr Ser Val Gln Leu Gln Pro Pro Thr Thr
165      166 Ala Pro Gly Pro Glu Thr Ala Ala Phe Ile Glu Arg Leu Glu Met Glu
167      168 Gln Ala Gln Lys Ala Lys Asn Pro Gln Glu Gln Lys Ser Phe Phe Ala
169      170 Lys Tyr Trp Met Tyr Ile Ile Pro Val Val Leu Phe Leu Met Met Ser
171      172 Gly Ala Pro Asp Thr Gly Gly Gln Gly Gly Gly Gly Gly Gly Gly
173      174 Gly Gly Gly Ser Gly Arg
175      177 <210> SEQ ID NO: 4
176      178 <211> LENGTH: 166
177      179 <212> TYPE: PRT
178      180 <213> ORGANISM: Homo sapiens
179      182 <400> SEQUENCE: 4
180      183 Met Gln Pro Pro Val Pro Gly Pro Leu Gly Leu Leu Asp Pro Ala Glu
181      184 l 5 10 15
182      185 Gly Leu Ser Arg Arg Lys Lys Thr Ser Leu Trp Phe Val Gly Ser Leu
183      186 20 25 30
184      187 Leu Leu Val Ser Val Leu Ile Val Thr Val Gly Leu Ala Ala Thr Thr
185      188 35 40 45
186      189 Arg Thr Glu Asn val Thr Val Gly Gly Tyr Tyr Pro Gly Ile Ile Leu
187      190 50 55 60
188      191 Gly Phe Gly Ser Phe Leu Gly Ile Ile Gly Ile Asn Leu Val Glu Asn
189      192 65 70 75 80
190      193 Arg Arg Gln Met Leu Val Ala Ala Ile val Phe Ile Ser Phe Gly Val
191      194 85 90 95
192      195 val Ala Ala Phe Cys Cys Ala ile Val Asp Gly Val Phe Ala Ala Gln
193      196 100 105 110
194      197 His Ile Glu Pro Arg Pro Leu Thr Thr Gly Arg Cys Gln Phe Tyr Ser
195      198 115 120 125
196      199 Ser Gly Val Gly Tyr Leu Tyr Asp Val Tyr Gln Thr Glu Val Ser Arg
197      200 130 135 140
198      201 Ser Thr Glu Ile His Val Gly Phe Ala Gln Leu Thr Pro Pro Thr Pro
199      202 145 150 155 160
200      203 Arg Gly Phe Pro Cys Thr

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08072002\J030306.raw

```

204                                     165
206 <210> SEQ ID NO: 5
207 <211> LENGTH: 416
208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 5
212 Met Ser Glu Ala Asp Gly Leu Arg Gln Arg Arg Pro Leu Arg Pro Gln
213 1 5 10 15
214 Val Val Thr Asp Asp Asp Gly Gln Ala Pro Glu Ala Lys Asp Gly Ser
215 20 25 30
216 Ser Phe Ser Gly Arg Val Phe Arg Val Thr Phe Leu Met Leu Ala Val
217 35 40 45
218 Ser Leu Thr Val Pro Leu Leu Gly Ala Met Met Leu Leu Glu Ser Pro
219 50 55 60
220 Ile Asp Pro Gln Pro Leu Ser Phe Lys Glu Pro Pro Leu Leu Leu Gly
221 65 70 75 80
222 Val Leu His Pro Asn Thr Lys Leu Arg Gln Ala Glu Arg Leu Phe Glu
223 85 90 95
224 Asn Gln Leu Val Gly Pro Glu Ser Ile Ala His Ile Gly Asp Val Met
225 100 105 110
226 Phe Thr Gly Thr Ala Asp Gly Arg Val Val Lys Leu Glu Asn Gly Glu
227 115 120 125
228 Ile Glu Thr Ile Ala Arg Phe Gly Ser Gly Pro Cys Lys Thr Arg Asp
229 130 135 140
230 Asp Glu Pro Val Cys Gly Arg Pro Leu Gly Ile Arg Ala Gly Pro Asn
231 145 150 155 160
232 Gly Thr Leu Phe Val Ala Asp Ala Tyr Lys Gly Leu Phe Glu Val Asn
233 165 170 175
234 Pro Trp Lys Arg Glu Val Lys Leu Leu Ser Ser Glu Thr Pro Ile
235 180 185 190
236 Glu Gly Lys Asn Met Ser Phe Val Asn Asp Leu Thr Val Thr Gln Asp
237 195 200 205
238 Gly Arg Lys Ile Tyr Phe Thr Asp Ser Ser Ser Lys Trp Gln Arg Arg
239 210 215 220
240 Asp Tyr Leu Leu Leu Val Met Glu Gly Thr Asp Asp Gly Arg Leu Leu
241 225 230 235 240
242 Glu Tyr Asp Thr Val Thr Arg Glu Val Lys Val Leu Leu Asp Gln Leu
243 245 250 255
244 Arg Phe Pro Asn Gly Val Gln Leu Ser Pro Ala Glu Asp Phe Val Leu
245 260 265 270
246 Val Ala Glu Thr Thr Met Ala Arg Ile Arg Arg Val Tyr Val Ser Gly
247 275 280 285
248 Leu Met Lys Gly Gly Ala Asp Leu Phe Val Glu Asn Met Pro Gly Phe
249 290 295 300
250 Pro Asp Asn Ile Arg Pro Ser Ser Ser Gly Gly Tyr Trp Val Gly Met
251 305 310 315 320
252 Ser Thr Ile Arg Pro Asn Pro Gly Phe Ser Met Leu Asp Phe Leu Ser
253 325 330 335
254 Glu Arg Pro Trp Ile Lys Arg Met Ile Phe Lys Leu Phe Ser Gln Glu

```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date